

### ABSTRACT OF THE DISCLOSURE

A method for monitoring a process consists of repeatedly acquiring at least two different pieces of information of the process, performing a component transformation using the acquired information to calculate a main component measurement vector in a main component space, calculating a process indicator quantity by using the calculated main component measurement vector with one or several main component measurement vectors of a previous acquisition, and detecting a process end by using the process indicator quantity. Apparatus for monitoring a process is also disclosed.